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Nota di contenuto	Chapter 1: Land–Ocean Interactions between the Changjiang (Yangtze River) -- Watersheds to the East China Sea Continental Margins --

Chapter 2: Hydrodynamics of the Changjiang Estuary and Adjacent Seas -- Chapter 3: Changjiang and Estuary sediment transport dynamics -- Chapter 4: Temporal variations in water and sediment discharge from the Changjiang (Yangtze River) and downstream sedimentary responses in the estuary -- Chapter 5: Plant Nutrients and Trace Elements from the Changjiang Watershed to the East China Sea -- Chapter 6: Organic matter and biomarkers of the Changjiang Estuary and East China Sea Shelf -- Chapter 7: Coastal Wetlands in the Changjiang Estuary -- Chapter 8: Marine Biology of the Changjiang (Yangtze River) Estuary and Adjacent East China Sea Shelf -- Chapter 9: Socio-economic Dimensions of the Coastal Environment of the East China Sea.

Sommario/riassunto

The book provides a cross-disciplinary and multi-scale assessment of a world top river, the Changjiang (Yangtze River) and its adjacent marginal environment, the East China Sea. The studies in this volume bridges the watersheds of the river and the marginal sea through a combined approach of hydro-dynamics, geochemistry, sedimentary processes, ecology and fishery. The response of ecosystem to the external driving forces is examined via process-oriented observations, mesocosm experiments and numerical simulations in combination. The lessons learnt from the case studies of Changjiang and East China Sea can be beneficial to those who are doing inter-disciplinary researches in the continuum from watersheds to continental margins.
